BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Road Development and Concrete Road Works at Vinayakanagara Air Force in Ward No. 11, Vidyaranyapura Sub Division.**

							Estimate Cost:		**1500000.00**
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 138 / Item No. 19.2 / PWD SR 2014-15**	Cum							
	For CC Road		1	40.00	5.00	0.15	30.00		
			1	100.00	5.00	0.15	75.00		
							105.00	105.84	**11113.00**
	Basic Rate	98.00							
	Area Weightage @8%	7.84							
	Total	**105.84**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	For CC Road		1	40.00	5.00	0.15	30.00		
			1	100.00	5.00	0.15	75.00		
							105.00	4847.04	**508939.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 233 Item No. 31.3 PWD SR 2014-15**	M							
	For CC Road		4	5.00			20.00		
			10	5.00			50.00		
							70.00	138.24	**9677.00**
	Basic Rate	128.00							
	Area Weightage @ 8%	10.24							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**138.24**							
4	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2014-15**	Cum							
	For CC Road		1	40.00	5.00	0.125	25.00		
			1	100.00	5.00	0.125	62.50		
							87.50	5852.52	**512096.00**
	Basic Rate	5419.00							
	Area Weightage @ 8%	433.52							
	Total	**5852.52**							
5	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift **Page No. 171 / Item No. 22.7 / PWD SR 2014-15**	Sqm							
	For CC Road		1	40.00	5.00		200.00		
			1	100.00	5.00		500.00		
							700.00	97.20	**68040.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
	Existing Drain Covering Slab		1	127.00	0.90	0.10	11.43		
							11.43	6065.28	**69326.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
7	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	@ 60 Kg/Cum		0.60	11.43			6.86		
							6.86	7975.80	**54698.00**
	Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							
8	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.30 / PWD SR 2014-15**	Sqm							
	For Sides		1	127.00	0.60		609.60		
			2	127.00		0.10	25.40		
			2	0.90		0.10	0.18		
							635.18	384.48	**244214.00**
	Basic Rate	356.00							
	Area Weightage @ 8%	28.48							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**94.50**	72.71	**6871.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2.00X1.28X2 = 5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	Sub Total						1481799		**1484974.00**
11	Third Party Inspection Charges @ 1%						14817.9		**14850.00**
12	Miscellaneous and other Charges	L/S					3383.01		**176.00**
								Total	**1500000.00**

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under T and F Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Asst. / Jr. Engineer

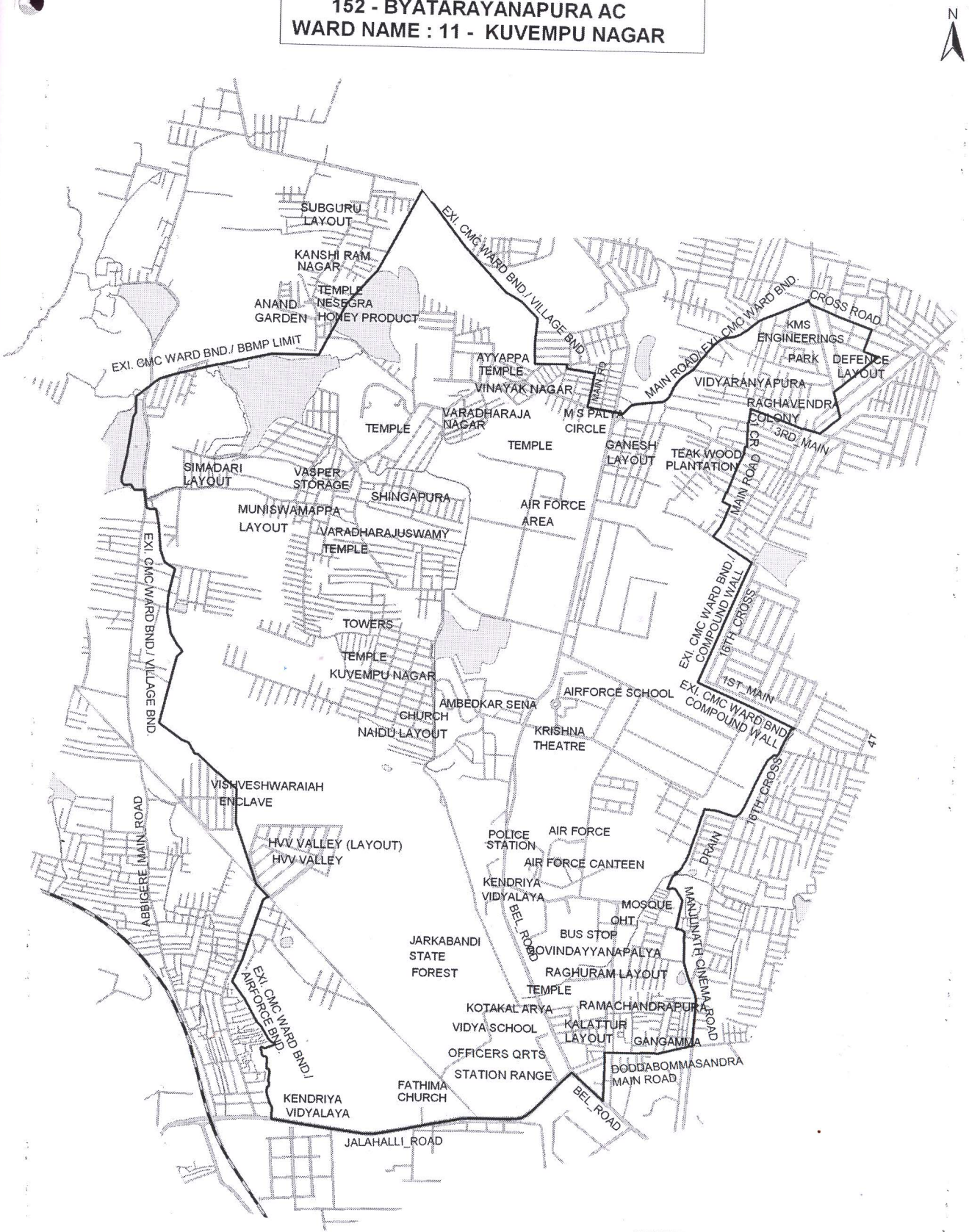
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Sanction for Rs. Administrative Approval
Accorded for Rs 15.00 lakhs.
is accorded under head P-2415
Received at CE No. 169 Dt: 12.02.15 Subject
Conditions contained in enclosed memo
No. Dt.
AE/JE TA SE (BTP) CE (BTP) (YNK)

Technical Sanction for Rs. 15.00L.
Fifteen lakhs only
62
Regd. at
In condition
No: 367 12/02/15
AE/JE 12/02 EE (BTP.Div.)

152 - BYATARAYANAPURA AC
WARD NAME : 11 - KUVEMPU NAGAR



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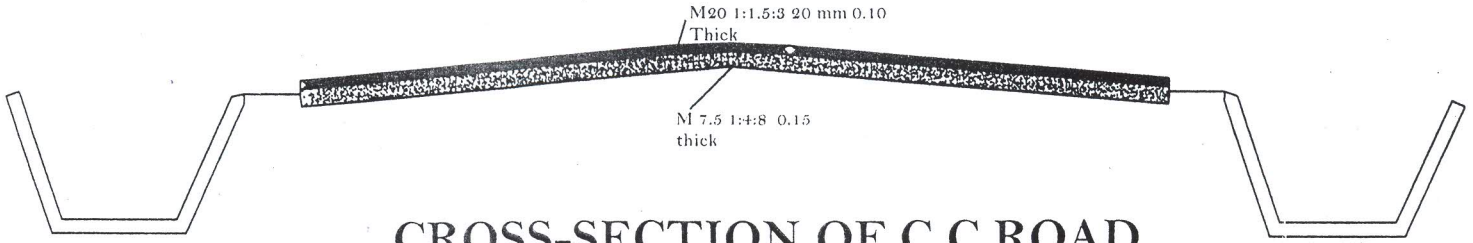
- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

NAME OF WORK:-



CROSS-SECTION OF C C ROAD

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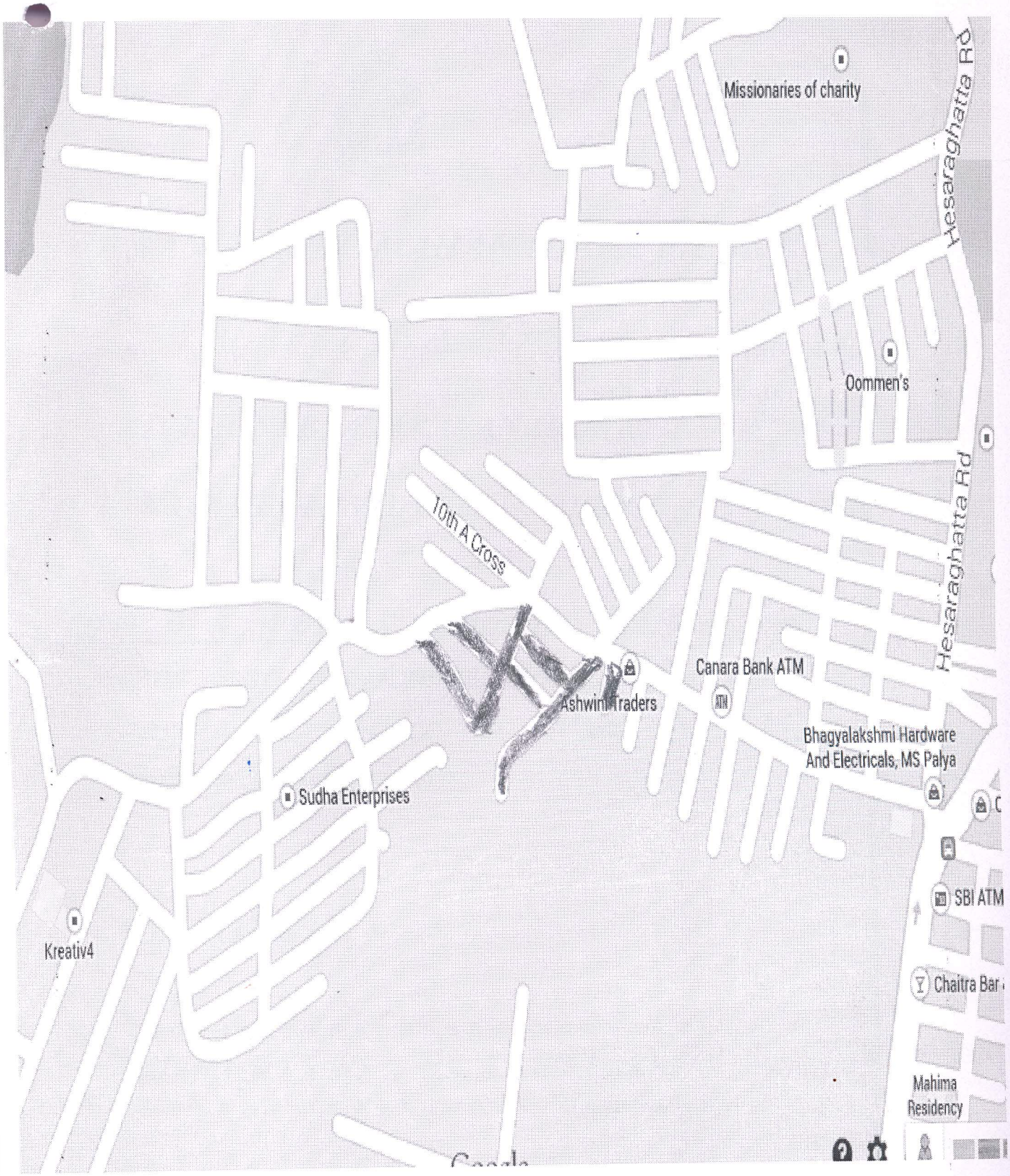
M 7.5 1:4:8

M 20 1:1.5:3

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION.

Development works at Vinayakanagar Airforce in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97